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rKCR1
hKCR1

TMS1
MAQLEGYFSAALSCTFLVSCLLFSAFSRALREPYMDEIFHLPOAQRyceGRFSLSQWDPMITPLPGLYL
-----C-----H-----
.....

TMS2
VSVGWVKPASWILGWSEHVVCSIGMLRFVHLLFSVGNFYLLYLLFRKIQRNKASSIQRIILSTLT LAVF
-----I-F-----H-V-----A-----V-----
.....

TMS3
PTLYFFNFLYYTEAGSVFFTLFAYLMCLYGNHRTSALLGFCGFMFRQTNIIWA AFCAGHIIAQKCSEAWK
-----M-----K-F-----V-----NV-----LT-----
**

TMS4
TELQKKKEERLPPAKGPLSELRRVLQFLLMYSMSLKNLSMLFLLTWPYMLLLLAFFVVFVVVNGGIVVGDR
-----D-----I--FA-F-----A-----C-----I--GFL-CA-----I-----
TMS7

TMS5
SSHEACLHFPQLFYFFSFTAFSFPPLLSPTKVKTFLSLVWKRVRQFSVITLVSFVLVWKFTYVHKYLLA
-----L-----S-I-----HGIL-L-V-----A-----
TMS8

TMS6
DNRHYTFYVWKRVFQRHEIVKYLLVPAYMFAGWAVADSLKSKSIFWNLMFFVCLVASTVPQKLLLEFRYFI
-----A-L-----I--SI-----P-----I--FIVI-----
TMS10

TMS9
LPYIIYRLNMPLPPI SRLVCELGCYAVVNFLTFFYIFLNKTFQWSDSHDIQRFMW
-----V-----IT--T-----S--I--I-----PN-Q-----
TMS11

TMS12

FIG. 1A

Title: Human KCR1 Regulation of Herg Potassium Channel

Applicant(s): Balser, et al.
Serial No.: 10/000,151

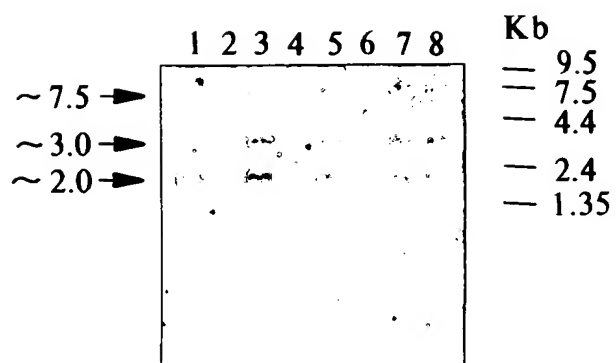


FIG. 1B

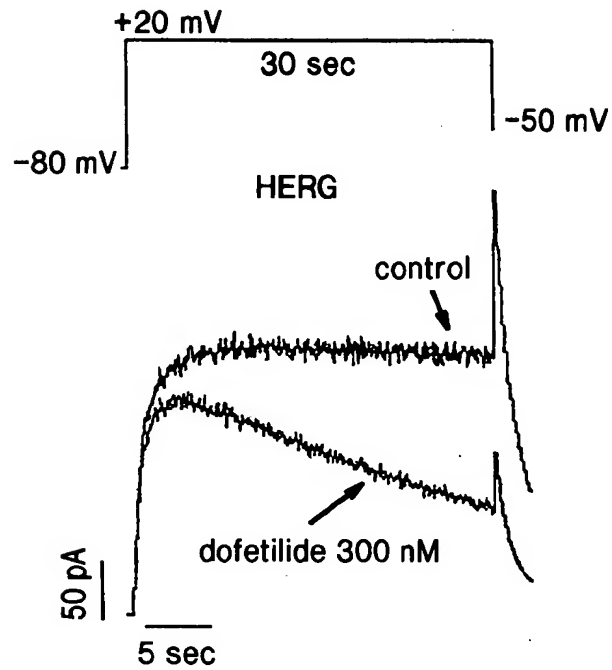


FIG. 2A

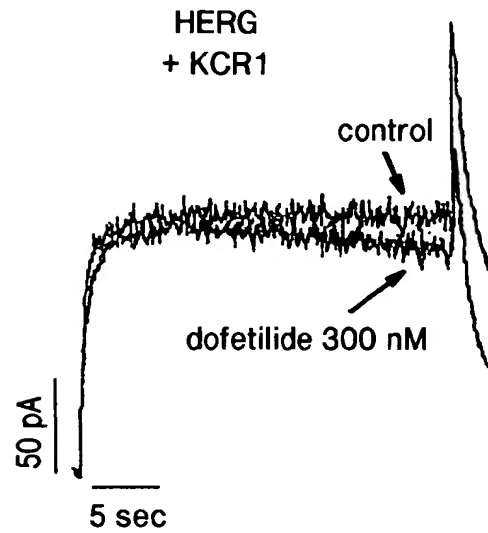


FIG. 2B

Applicant(s):

Balser, et al.

10/000,151



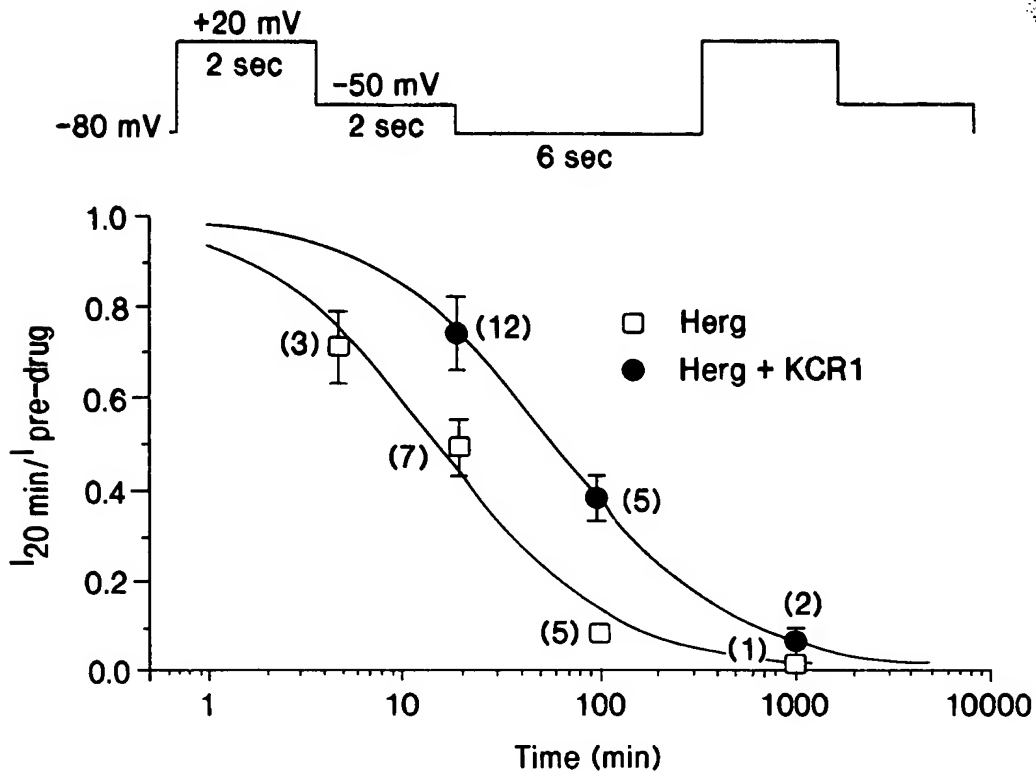


FIG. 3C

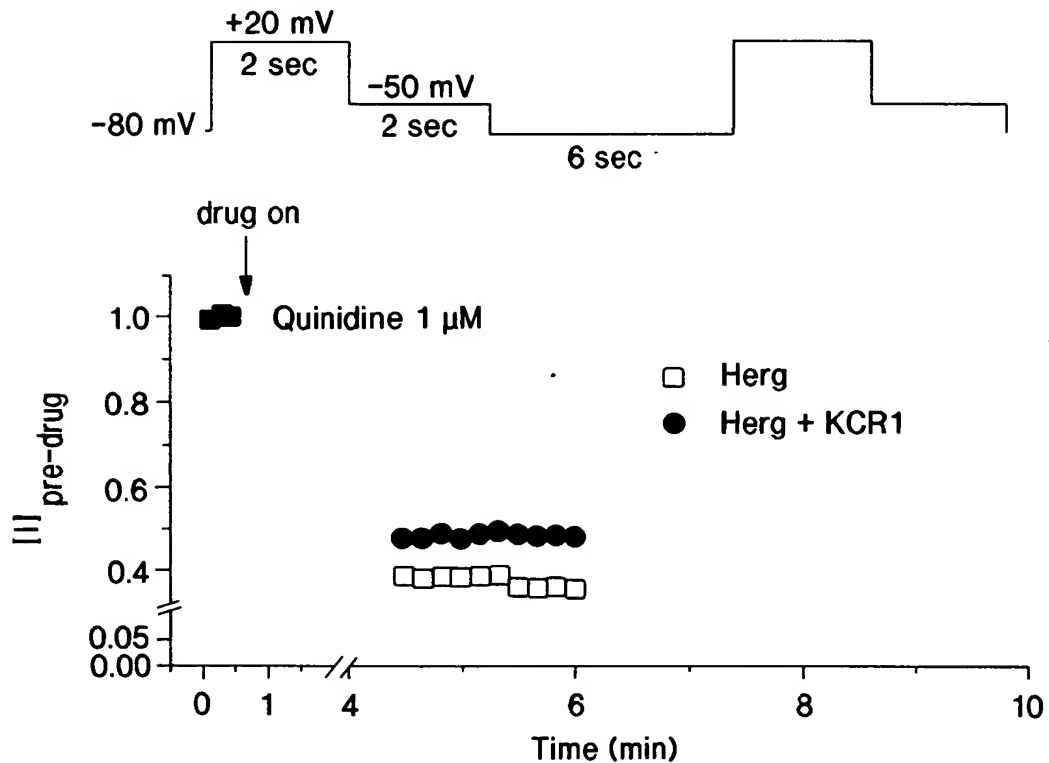


FIG. 3D

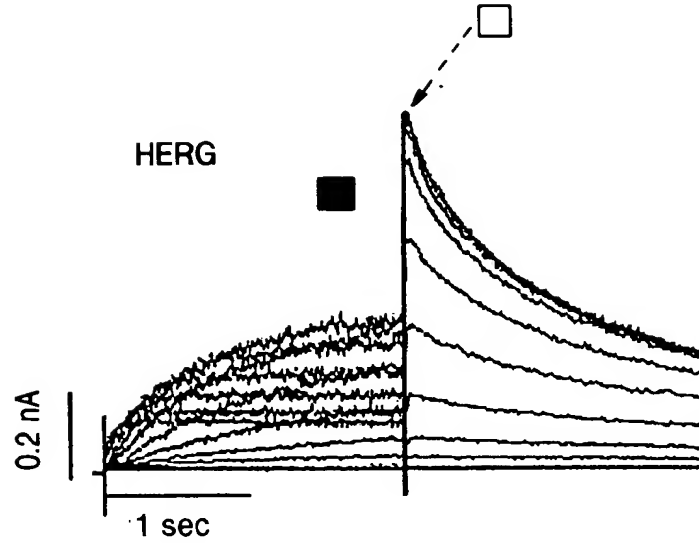
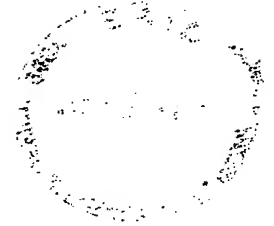


FIG. 4A

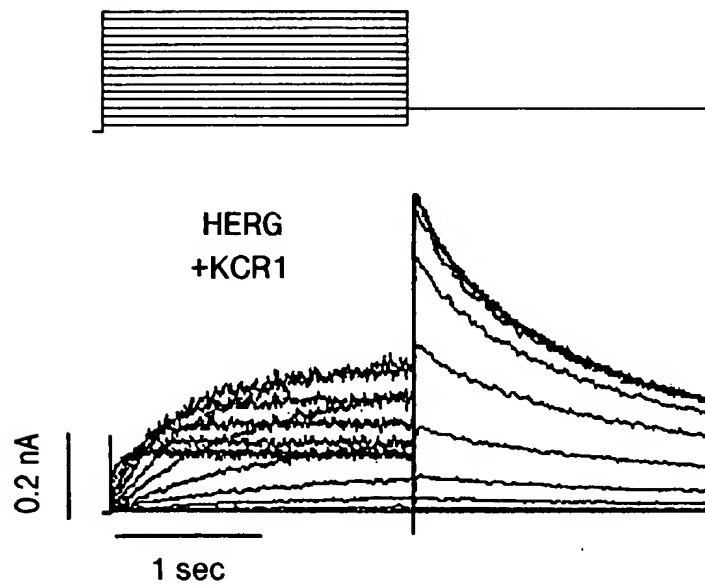


FIG. 4B

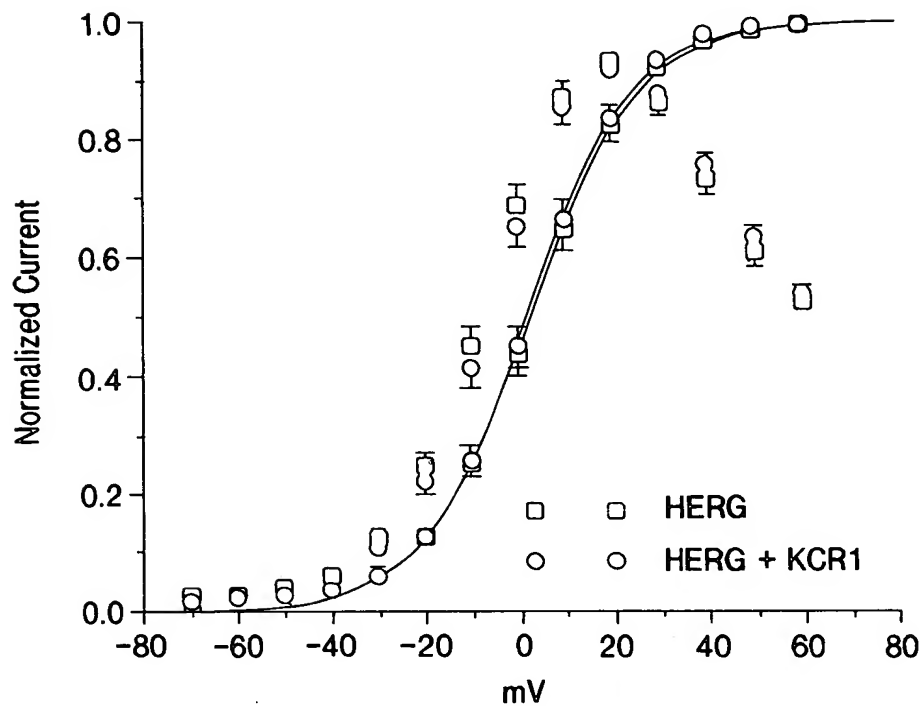


FIG. 4C

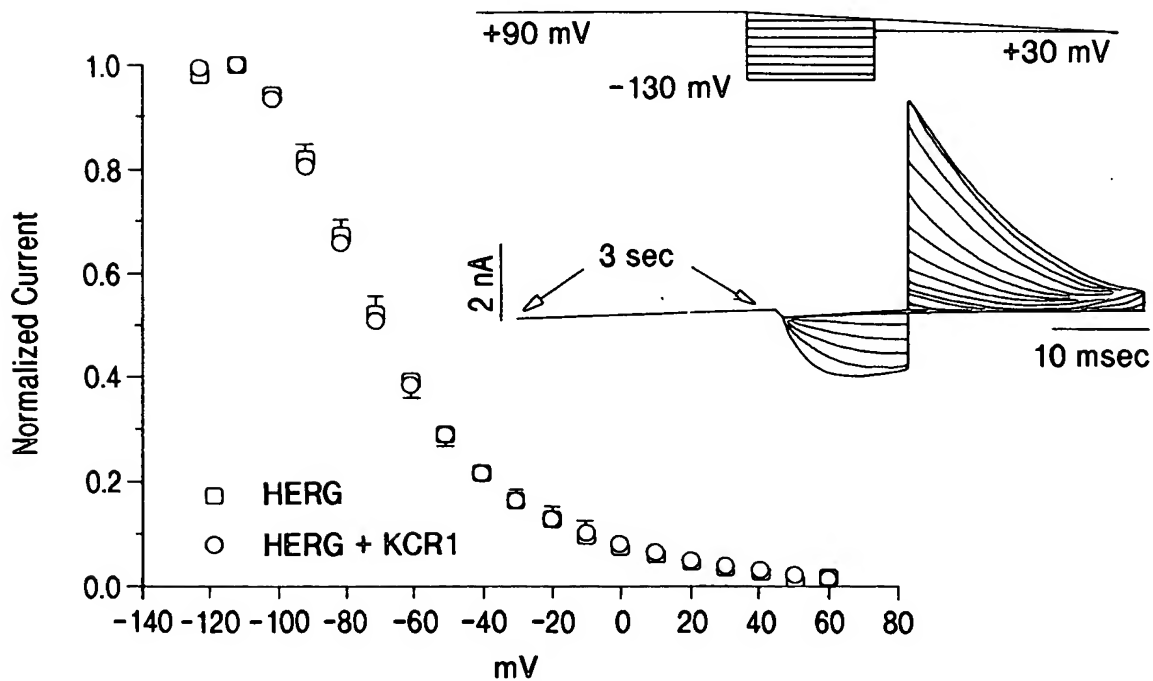


FIG. 4D

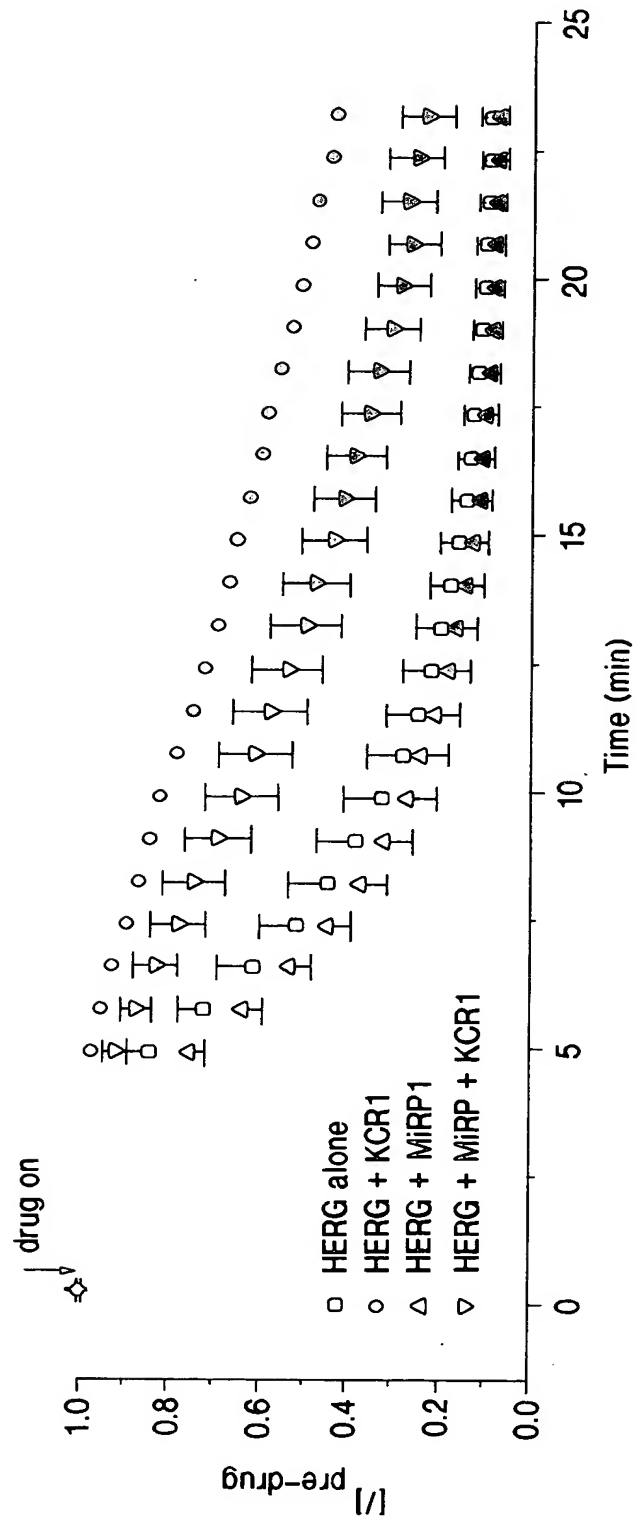


FIG. 5A

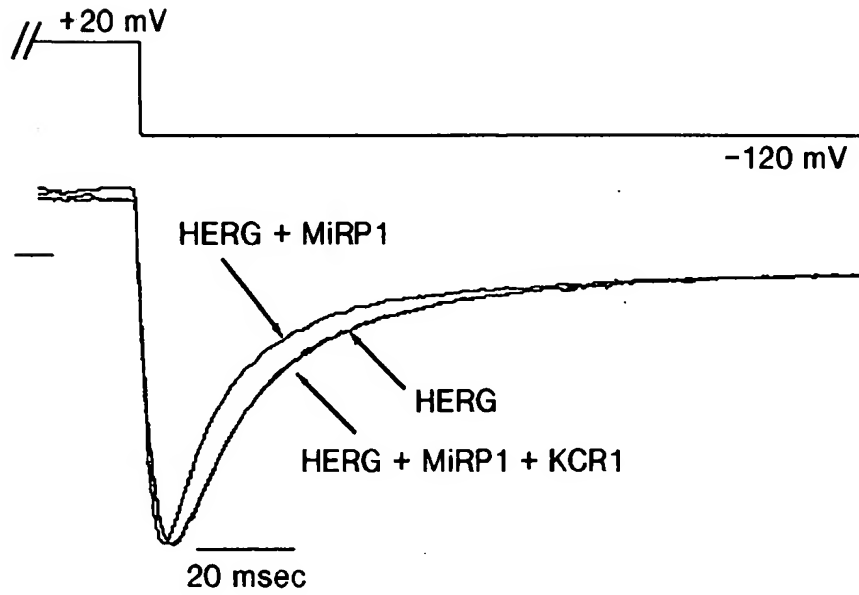


FIG. 5B

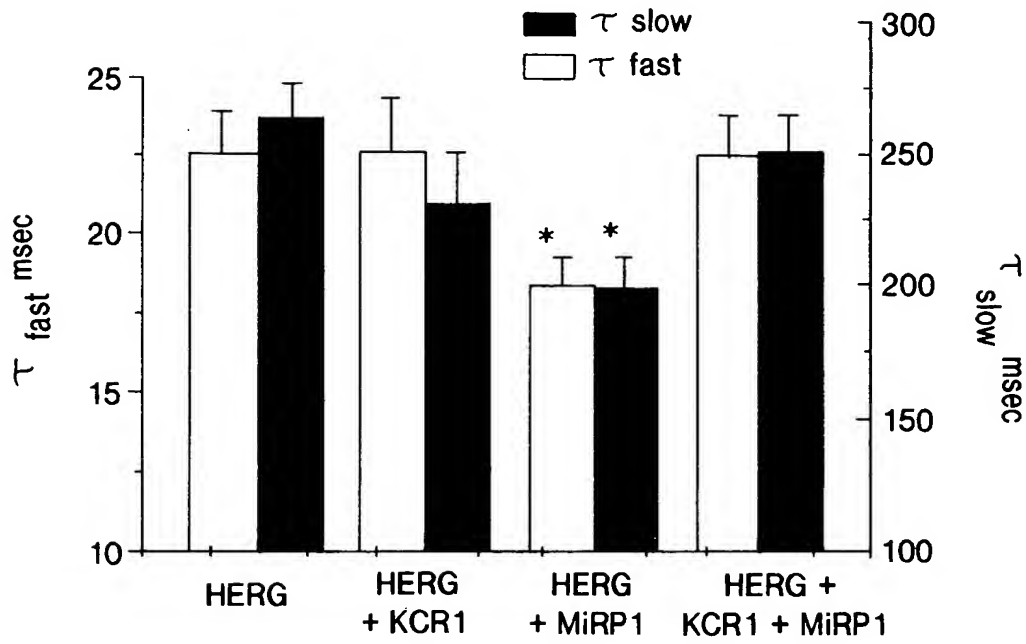


FIG. 5C